



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/735,600  
Source: PIPE  
Date Processed by STIC: 12-30-03

**THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.**

**PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:**

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

**FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221**

**Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221**

**TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:**

**<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER: 10/735,600

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 ☐ **Wrapped Nucleics  
Wrapped Aminos** The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
  
- 2 ☐ **Invalid Line Length** The rules require that a line not exceed 72 characters in length. This includes white spaces.
  
- 3 ☐ **Misaligned Amino  
Numbering** The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
  
- 4 ☐ **Non-ASCII** The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
  
- 5 ☐ **Variable Length** Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
  
- 6 ☐ **PatentIn 2.0  
"bug"** A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s). Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
  
- 7 ☐ **Skipped Sequences  
(OLD RULES)** Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
  
- 8 ☐ **Skipped Sequences  
(NEW RULES)** Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000
  
- 9 ☐ **Use of n's or Xaa's  
(NEW RULES)** Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
  
- 10 ☒ **Invalid <213>  
Response** Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
  
- 11 ☐ **Use of <220>** Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
  
- 12 ☐ **PatentIn 2.0  
"bug"** Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
  
- 13 ☐ **Misuse of n/Xaa** "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWO

## RAW SEQUENCE LISTING

DATE: 12/30/2003

PATENT APPLICATION: US/10/735,600

TIME: 16:02:58

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\12302003\J735600.raw

4 <110> APPLICANT: Genesis Group Inc.  
 5 Xie, Ya-Gang  
 7 <120> TITLE OF INVENTION: Method for the Detection of Risk Factors  
 8 Associated with Myocardial Infarction  
 11 <130> FILE REFERENCE: 2288-0103P  
 C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/735,600  
 C--> 14 <141> CURRENT FILING DATE: 2003-12-12  
 16 <150> PRIOR APPLICATION NUMBER: 2,414,301  
 17 <151> PRIOR FILING DATE: 2002-12-13  
 19 <160> NUMBER OF SEQ ID NOS: 9  
 21 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 1086  
 25 <212> TYPE: DNA  
 26 <213> ORGANISM: Homo Sapiens  
 28 <400> SEQUENCE: 1  
 29 ctcaccagct gtgtctcgtg aaggggcgtg gctgggctat gagctatgct cctgagcaca 60  
 30 gacggctgtt ctctttcaag gttacaagcc tgatgaaggg aaacgagggg atgcctgtga 120  
 31 aggtgacagt gggggaccct ttgtcatgaa ggtaagcttc tctaaagccc agggcctggt 180  
 32 gaacacatct tctgggggtg gggagaaact ctagtatcta gaaacagttg cctggcaggg 240  
 33 gaatactgat gtgaccttga acttgactct attggaaacc tcacttttct tcttcagagc 300  
 34 ccctttaaca accgctggta tcaaattggc atcgtctcat ggggtgaagg ctgtgaccgg 360  
 35 gatgggaaat atggcttcta cacacatgtg ttccgcctga agaagtggat acagaaggtc 420  
 36 attgatcagt ttggagagta gggggccact catattctgg gctcctggaa ccaatccgt 480  
 37 gaaagaatta tttttgtgtt tctaaaacta tggttcccaa taaaagtga cctcagcaag 540  
 38 cctcaatgct ccagtgcta ttcatgggca gctctctggg ctaggaagag ccagtaatac 600  
 39 tactggataa agaagactta agaatccacc acctgggtga cgctggtagt ccgagcactc 660  
 40 gggaggctga ggtgggagga tcgcttgagc ccaggaggtg gaggctgcag tgagccactg 720  
 41 caccocagcc tgggtgacag agtgagacc cgtcccaaaa gaatccacta tctatcttca 780  
 42 gagcagggcc aggtgagagg aaagatggca ggttgaattt acaggcatta aagatgttcc 840  
 43 accctctggg ttttaattga ttatctcatt taatcctcac aagaggtagg tgagtaaact 900  
 44 gagatttgga gaagtacctt gtccaaagtc acatggctaa gaaagctcaa agtaggactt 960  
 45 caaatataga aaatattgag tgaggacggt gcttttttag ttaactccct acatcttccc 1020  
 46 ttgtatcatt aaaatgatat cagatcaggt agggcatggt ggctcacacc tgtaatatca 1080  
 47 gcaatt 1086  
 49 <210> SEQ ID NO: 2  
 50 <211> LENGTH: 20  
 51 <212> TYPE: DNA  
 52 <213> ORGANISM: Primer see item 10 on error summary report.  
 54 <400> SEQUENCE: 2  
 55 tctagaaaca gttgcctggc 20  
 57 <210> SEQ ID NO: 3  
 58 <211> LENGTH: 22

**Does Not Comply  
Corrected Diskette Needed**

## RAW SEQUENCE LISTING

DATE: 12/30/2003

PATENT APPLICATION: US/10/735,600

TIME: 16:02:58

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\12302003\J735600.raw

```

59 <212> TYPE: DNA
60 <213> ORGANISM: Primer
62 <400> SEQUENCE: 3
63 atagcactgg gagcattgaa gc 22
65 <210> SEQ ID NO: 4
66 <211> LENGTH: 480
67 <212> TYPE: DNA
68 <213> ORGANISM: Homo Sapiens
70 <400> SEQUENCE: 4
71 gcaaataaaa acaattttga atatattttc tticaggcag gaacaacacc atgatcagag 60
72 cagttcaacc aggggaaacc tatacttata agtgaacat cttagagttt gatgaaccca 120
73 cagaaaatga tgcccagtgc ttaacaagac catactacag tgacgtggac atcatgagag 180
74 acatgccttc tgggctaata ggactacttc taatctgtaa gagcagatcc ctggacaggc 240
75 aaggaataca ggtattttgt ccttgaagta acctttcaga aattctgaga atttcttctg 300
76 gctagaacat gttaggtctc ctggctaaat aatggggcat ttccttcaag agaacagtaa 360
77 ttgtcaagta gtccttttta gcaccagtgt gataacattt attctttttt tttttttgtc 420
78 ttgtctatth ttatcagtag catcactgcc gaaggcaagt ctagagtgtg ataacatatt 480
81 <210> SEQ ID NO: 5
82 <211> LENGTH: 21
83 <212> TYPE: DNA
84 <213> ORGANISM: Primer Same error
86 <400> SEQUENCE: 5
87 acccacagaa aatgatgccc a 21
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 21
91 <212> TYPE: DNA
92 <213> ORGANISM: Primer
94 <400> SEQUENCE: 6
95 tgccccatta tttagccagg a 21
97 <210> SEQ ID NO: 7
98 <211> LENGTH: 653
99 <212> TYPE: DNA
100 <213> ORGANISM: Homo Sapiens
102 <400> SEQUENCE: 7
103 ttccatatgt tttagacacat acaaaaatct ccccaagatc cttggggaac tgtattccat 60
104 cattagacta atccttgctg ccacttctca gtttttattt atgcaaacgg caaaatgtgt 120
105 tgctcaagtg ctatcacaca cagatatatc tgtttctcta ttttggaaac cttgtctcaa 180
106 atgttactca ctttacatgc cttttctggt gtcttctttt tttttttttt ctgaaggacc 240
107 ttgtaaagtc aaaaatgtca gaaacttcca ggaccgcctt tggaggcaga agagcagttc 300
108 caccacaata ctctaatagc gcggaagatg acctgcccac agtggagctt cagggcttgg 360
109 tgccccgggg cgtcaacctg caaggtatga gcatacccc cttccccacc actctgggtc 420
110 caggcacagc cgggcccttg cccctcttcc ctgcaggtaa acatcctctg tctccactgg 480
111 ggttcccaca aaaggaagcc ccctgccaat ctctggtttt ataaaggaag aaagcaaaag 540
112 ctttctttta agtgggtgaa gcaccgaaga cccagagcct tgtcccagtt ctgcccccta 600
113 ctgaccttgt aacctcagag aagttgcttt gtctttctgc ctctcaacta ttt 653
115 <210> SEQ ID NO: 8
116 <211> LENGTH: 21
117 <212> TYPE: DNA
118 <213> ORGANISM: Primer

```

## RAW SEQUENCE LISTING

DATE: 12/30/2003

PATENT APPLICATION: US/10/735,600

TIME: 16:02:58

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\12302003\J735600.raw

120 <400> SEQUENCE: 8  
121 catgcctttt ctgttgtctt c 21  
123 <210> SEQ ID NO: 9  
124 <211> LENGTH: 30  
125 <212> TYPE: DNA  
126 <213> ORGANISM: Primer Same error  
128 <400> SEQUENCE: 9  
129 taccttgcag gttgacgccc cggggcacta 30

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/735,600

DATE: 12/30/2003

TIME: 16:02:59

Input Set : A:\PTO.FG.txt

Output Set: N:\CRF4\12302003\J735600.raw

L:13 M:270 C: Current Application Number differs, Replaced Current Application Number

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date